

JP58011815A2: MEASURING METHOD FOR INTEGRATED SUPPLY WEIGHT OF POWDER

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Kind: A

Inventor: MIZOKAWA TAKUMI;
SUZUKI FUMITAKA;

Assignee: KOBE STEEL LTD
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Abstract:

PURPOSE: To find the weight of powder supplied in the past accurately by finding integrated supply weight at prescribed intervals of time, calculating a difference in weight between two selected points of time, and accurately finding the weight of supplied powder at the intervals of time.

CONSTITUTION: At the lower part of a supply container 4 which supplies powder under pressure, a powder outlet 7 for supplying the powder to the blow-off opening of a powder treating device 16 is provided. A supplementing container 3 for supplementing the powder to the container 4 under pressure is connected to the upper part of the container 4. While the powder is discharged successively accompanying a carrier gas which is pressed in the outlet 7 of the container 4, both the containers 3 and 4 are linked together to supplement the powder, summing up the supplemented amount of the powder, supplied in a desired measurement period, on every supplementation on batch basis. During the supplementing operation, the sum of the momentarily retained weight of powder of the containers 3 and 4 is subtracted from the addition value to obtain the difference as integrated supply weight. In the other period, the momentarily retained weight of powder of the container 4 is subtracted from the addition value to obtain the difference as integrated supply weight.

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